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***** Welcome to STN International *****

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	OCT 02	CA/Capius enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	3	OCT 19	BEILSTEIN updated with new compounds
NEWS	4	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	5	NOV 19	WPIX enhanced with XML display format
NEWS	6	NOV 30	ICSD reloaded with enhancements
NEWS	7	DEC 04	LINPADOCDB now available on STN
NEWS	8	DEC 14	BEILSTEIN pricing structure to change
NEWS	9	DEC 17	USPATOLD added to additional database clusters
NEWS	10	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS	11	DEC 17	DGENE now includes more than 10 million sequences
NEWS	12	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS	13	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS	14	DEC 17	CA/Capius enhanced with new custom IPC display formats
NEWS	15	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS	16	JAN 02	STN pricing information for 2008 now available
NEWS	17	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	18	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	19	JAN 28	MARPAT searching enhanced
NEWS	20	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	21	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	22	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS	23	FEB 08	STN Express, Version 8.3, now available
NEWS	24	FEB 20	PCI now available as a replacement to DPCI
NEWS	25	FEB 25	IFIREF reloaded with enhancements
NEWS	26	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	27	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS EXPRESS	FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008		
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

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FILE 'HOME' ENTERED AT 13:19:07 ON 17 MAR 2008

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

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SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:19:24 ON 17 MAR 2008

69 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s thaw?(w)plant cell?

1 FILE BIOSIS
1 FILE BIOTECHABS
1 FILE BIOTECHDS
12 FILES SEARCHED...
1 FILE CAPLUS
22 FILES SEARCHED...
23 FILES SEARCHED...
30 FILES SEARCHED...
4 FILE IFIPAT
47 FILES SEARCHED...
1 FILE PROMT
5 FILE USPATFULL
66 FILES SEARCHED...
4 FILE WPIDS
4 FILE WPINDEX

9 FILES HAVE ONE OR MORE ANSWERS, 69 FILES SEARCHED IN STNINDEX

L1 QUE THAW?(W) PLANT CELL?

=> file biosis biotechabs biotechds caplus ifipat promt uspatfull

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
5.85	6.06

FULL ESTIMATED COST

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FILE 'USPATFULL' ENTERED AT 13:24:49 ON 17 MAR 2008
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=> s l1

L2 13 L1

=> dup rem l2

PROCESSING COMPLETED FOR L2

L3 8 DUP REM L2 (5 DUPLICATES REMOVED)

=> d l3 1-8

L3 ANSWER 1 OF 8 IFIPAT COPYRIGHT 2008 IFI on STN DUPLICATE 1

AN 10919968 IFIPAT;IFIUDB;IFICDB

TI CRYOPRESERVATION OF PLANT CELLS; PREPARING RECOMBINANT PLANTS CELL FOR
FREEZE DRYING VIA PRETREATMENT OF CELLS WITH CRYOPROTECTIVE AND
STABILIZER AGENTS; PRESERVING BIOREACTORS WHICH PRODUCE THERAPEUTIC
PROTEINS

IN Bare Christopher B; Kadkade Prakash G; Schnabel-Preikstas Barbara; Yu Bin
PA Unassigned Or Assigned To Individual (68000)

PI US 2005158699 A1 20050721

AI US 2004-871705 20040621

RLI US 1999-307787 19990510 CONTINUATION PENDING

US 1995-486204 19950607 CONTINUATION-IN-PART 5965438

US 1997-780449 19970108 CONTINUATION-IN-PART 6753182

US 2001-15939 20011217 CONTINUATION-IN-PART PENDING

US 1995-486204 19950607 DIVISION 5965438

US 1996-659997 19960607 DIVISION 6127181

FI US 2005158699 20050721

US 5965438

US 6753182

US 5965438

US 6127181

DT Utility; Patent Application - First Publication

FS CHEMICAL

APPLICATION

ED Entered STN: 25 Jul 2005

Last Updated on STN: 22 Jan 2008

CLMN 48

GI 8 Figure(s).

FIGS. 1(A, B and C) Schematics of various cryopreservation and recovery
protocols.

FIG. 2 Biosynthetic pathways of ethylene production and points of
inhibition.

FIG. 3 Procedure for cryopreservation of Taxus cells.

FIG. 4 Biomass increase in a Taxus chinensis suspension culture line K-1.

FIG. 5 Chromatograms of (A) cells cryopreserved for 6 months in comparison
with (B) non-cryopreserved cells.

FIG. 6 Chromatograms of (A) cells cryopreserved for 6 months in comparison
with (B) non-cryopreserved cells.

FIG. 7 Southern blot analysis of the genetic stability of cryopreserved
cells.

FIG. 8 PCR analysis of the genetic stability of cryopreserved cells.

L3 ANSWER 2 OF 8 IFIPAT COPYRIGHT 2008 IFI on STN DUPLICATE 2
 AN 04086181 IFIPAT;IFIUDB;IFICDB
 TI CRYOPRESERVATION OF PLANT CELLS
 IN Bare Christopher B; Kadkade Prakash G; Schnabel-Preikstas Barbara; Yu Bin
 PA Phyton Inc (51108)
 PI US 6753182 B1 20040622
 AI US 1997-780449 19970108
 RLI US 1995-486204 19950607 DIVISION 5965438
 FI US 6753182 20040622
 US 5965438
 DT Utility; REASSIGNED; Granted Patent - Utility, no Pre-Grant Publication
 FS CHEMICAL
 GRANTED
 ED Entered STN: 24 Jun 2004
 Last Updated on STN: 13 Jan 2005
 CLMN 48
 GI 9 Drawing Sheet(s), 12 Figure(s).
 FIG. 1 Schematic of various cryopreservation and recovery protocols.
 FIG. 2 Procedure for cryopreservation of Taxus cells.
 FIG. 3 Biomass increase in a Taxus chinensis suspension culture line K-1.
 FIG. 4 Chromatograms of (A) cells cryopreserved for 6 months in comparison
 with (B) non-cryopreserved cells.
 FIG. 5 Chromatograms of (A) cells cryopreserved for 6 months in comparison
 with (B) non-cryopreserved cells.
 FIG. 6 Analysis of genetic stability of cryopreserved cells by Southern
 blot.
 FIG. 7 Analysis of genetic stability of cryopreserved by PCR.

L3 ANSWER 3 OF 8 IFIPAT COPYRIGHT 2008 IFI on STN DUPLICATE 3
 AN 10287590 IFIPAT;IFIUDB;IFICDB
 TI CRYOPRESERVATION OF DIVERSE PLANT CELLS; RECOVERING CRYOGENICALLY
 PRESERVED PLANT CELLS; OBTAIN CELLS, MELT, INCUBATE IN NUTRIENT BROTH,
 RECOVER VIABLE CELLS
 IN Kadkade Prakash
 PA Unassigned Or Assigned To Individual (68000)
 PI US 2003031998 A1 20030213
 AI US 2001-15939 20011217
 RLI US 1996-659997 19960607 CONTINUATION 6127181
 US 1999-307787 19990510 CONTINUATION ABANDONED
 US 1995-486204 19950607 CONTINUATION-IN-PART 5965438
 FI US 2003031998 20030213
 US 6127181
 US 5965438
 DT Utility; Patent Application - First Publication
 FS CHEMICAL
 APPLICATION
 ED Entered STN: 18 Feb 2003
 Last Updated on STN: 4 Feb 2004
 CLMN 60
 GI 8 Figure(s).
 FIG. 1 (A, B and C) Schematics of various cryopreservation and recovery
 protocols.
 FIG. 2 Biosynthetic pathways of ethylene production and points of
 inhibition.
 FIG. 3 Procedure for cryopreservation of Taxus cells.
 FIG. 4 Biomass increase in a Taxus chinensis suspension culture line K-1.
 FIG. 5 Chromatograms of (A) cells cryopreserved for 6 months in comparison
 with (B) non-cryopreserved cells.
 FIG. 6 Chromatograms of (A) cells cryopreserved for 6 months in comparison
 with (B) non-cryopreserved cells.
 FIG. 7 Southern blot analysis of the genetic stability of cryopreserved

cells.
FIG. 8 PCR analysis of the genetic stability of cryopreserved cells.

L3 ANSWER 4 OF 8 PROMT COPYRIGHT 2008 Gale Group on STN

ACCESSION NUMBER: 2001:1094670 PROMT
TITLE: Multipurpose Cryogenic Surface Apparatus: A Liquid
Nitrogen-Chilled Sample Tray.
AUTHOR(S): Adam, N. R.; Wall, G. W.
SOURCE: Crop Science, (May 2001) Vol. 41, No. 3, pp. 755.
ISSN: ISSN: 0011-183X.
PUBLISHER: Crop Science Society of America
DOCUMENT TYPE: Newsletter
LANGUAGE: English
WORD COUNT: 2678
FULL TEXT IS AVAILABLE IN THE ALL FORMAT

L3 ANSWER 5 OF 8 BIOTECHDS COPYRIGHT 2008 THE THOMSON CORP. on STN
DUPLICATE 4

AN 2001-01294 BIOTECHDS

TI Cryopreserving plant cell involves preculturing plant cell with divalent
cation and osmotic agent, loading plant cell with cryoprotecting agent,
vitrifying and then freezing at cryopreservation temperature;
plant cell cryopreservation

AU Kadkade P G

PA Phyton

LO Ithaca, NY, USA.

PI US 6127181 3 Oct 2000

AI US 1996-659997 7 Jun 1996

PRAI US 1996-659997 7 Jun 1996

DT Patent

LA English

OS WPI: 2000-627986 [60]

L3 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2000:432302 CAPLUS

DN 133:235066

TI Effect of postthaw treatments on viability of cryopreserved plant cells

AU Watanabe, Katsumi

CS Department of Food and Nutrition, Faculty of Agriculture, Kinki

University, Nara, 631-8505, Japan

SO Conservation of Plant Genetic Resources In Vitro (2000), Volume 2, 3-19.

Editor(s): Razdan, M. K.; Cocking, E. C. Publisher: Science Publishers,
Inc., Enfield, N. H.

CODEN: 69ABGC

DT Conference; General Review

LA English

RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 8 USPATFULL on STN

AN 1999:124774 USPATFULL

TI Cryopreservation of plant cells

IN Kadkade, Prakash G., Marlboro, MA, United States

Bare, Christopher B., San Francisco, CA, United States

Schnabel-Preikstas, Barbara, Ithaca, NY, United States

Yu, Bin, Ithaca, NY, United States

PA Phyton, Inc., Ithaca, NY, United States (U.S. corporation)

PI US 5965438 19991012

AI US 1995-486204 19950607 (8)

DT Utility

FS Granted

LN.CNT 1513
 INCL INCLM: 435/420.000
 INCLS: 424/093.700; 435/001.300; 435/430.100
 NCL NCLM: 435/420.000
 NCLS: 424/093.700; 435/001.300; 435/430.100
 IC [6]
 ICM A01N063-00
 ICS A01N065-00; C12N005-04
 IPCI A01N0063-00 [ICM,6]; A01N0065-00 [ICS,6]; C12N0005-04 [ICS,6]
 IPCR A01H0004-00 [I,C*]; A01H0004-00 [I,A]; A01N0003-00 [I,C*];
 A01N0003-00 [I,A]; C12N0005-02 [I,C*]; C12N0005-02 [I,A];
 C12N0005-04 [I,C*]; C12N0005-04 [I,A]
 EXF 435/240.4; 435/240.54; 435/420; 435/430.1; 424/93.7; 424/1.3
 L3 ANSWER 8 OF 8 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN
 AN 1992:210600 BIOSIS
 DN PREV199293110825; BA93:110825
 TI EFFECT OF CRYOPRESERVATION ON THE STATE OF WATER IN BIOLOGICAL OBJECTS.
 AU PILIPENKO T D [Reprint author]; MANK V V
 CS MV LOMONOSOV ODESSA TECHNOL INST FOOD IND, ODESSA, UKR
 SO Izvestiya Vysshikh Uchebnykh Zavedenii Pishchevaya Tekhnologiya, (1990)
 No. 6, pp. 24-27.
 CODEN: IVUPA8. ISSN: 0579-3009.
 DT Article
 FS BA
 LA RUSSIAN
 ED Entered STN: 4 May 1992
 Last Updated on STN: 4 May 1992

=> d 13 8 ab

L3 ANSWER 8 OF 8 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN
 AB PMR spectra were used to study the state of water in eggplants during
 freezing and in green peas during freezing-thawing. The use of the PMR
 method makes it possible to obtain complete data on the degree of the
 dispersity of the plant cell colloid system and the state of water in the
 system. The results of the study can be used in the production of
 preserves from frozen raw materials and to determine adequate lengths of
 storage for fruits and vegetables.

=> s 13 and cryoprotectant?

L4 2 L3 AND CRYOPROTECTANT?

=> d 14 1-2

L4 ANSWER 1 OF 2 IFIPAT COPYRIGHT 2008 IFI on STN
 AN 10919968 IFIPAT;IFIUDB;IFICDB
 TI CRYOPRESERVATION OF PLANT CELLS; PREPARING RECOMBINANT PLANTS CELL FOR
 FREEZE DRYING VIA PRETREATMENT OF CELLS WITH CRYOPROTECTIVE AND
 STABILIZER AGENTS; PRESERVING BIOREACTORS WHICH PRODUCE THERAPEUTIC
 PROTEINS
 IN Bare Christopher B; Kadekade Prakash G; Schnabel-Preikstas Barbara; Yu Bin
 PA Unassigned Or Assigned To Individual (68000)
 PI US 2005158699 A1 20050721
 AI US 2004-871705 20040621
 RL I US 1999-307787 19990510 CONTINUATION PENDING
 US 1995-486204 19950607 CONTINUATION-IN-PART 5965438
 US 1997-780449 19970108 CONTINUATION-IN-PART 6753182
 US 2001-15939 20011217 CONTINUATION-IN-PART PENDING
 US 1995-486204 19950607 DIVISION 5965438

US 1996-659997 19960607 DIVISION 6127181
 FI US 2005158699 20050721
 US 5965438
 US 6753182
 US 5965438
 US 6127181
 DT Utility; Patent Application - First Publication
 FS CHEMICAL
 APPLICATION
 ED Entered STN: 25 Jul 2005
 Last Updated on STN: 22 Jan 2008
 CLMN 48
 GI 8 Figure(s).
 FIGS. 1(A, B and C) Schematics of various cryopreservation and recovery protocols.
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 FIG. 6 Chromatograms of (A) cells cryopreserved for 6 months in comparison with (B) non-cryopreserved cells.
 FIG. 7 Southern blot analysis of the genetic stability of cryopreserved cells.
 FIG. 8 PCR analysis of the genetic stability of cryopreserved cells.

L4 ANSWER 2 OF 2 USPATFULL on STN
 AN 1999:124774 USPATFULL
 TI Cryopreservation of plant cells
 IN Kadkade, Prakash G., Marlboro, MA, United States
 Bare, Christopher B., San Francisco, CA, United States
 Schnabel-Preikstas, Barbara, Ithaca, NY, United States
 Yu, Bin, Ithaca, NY, United States
 PA Phytion, Inc., Ithaca, NY, United States (U.S. corporation)
 PI US 5965438 19991012
 AI US 1995-486204 19950607 (8)
 DT Utility
 FS Granted
 LN.CNT 1513
 INCL INCLM: 435/420.000
 INCLS: 424/093.700; 435/001.300; 435/430.100
 NCL NCLM: 435/420.000
 NCLS: 424/093.700; 435/001.300; 435/430.100
 IC [6]
 ICM A01N063-00
 ICS A01N065-00; C12N005-04
 IPCI A01N0063-00 [ICM,6]; A01N0065-00 [ICS,6]; C12N0005-04 [ICS,6]
 IPCR A01H0004-00 [I,C*]; A01H0004-00 [I,A]; A01N0003-00 [I,C*];
 A01N0003-00 [I,A]; C12N0005-02 [I,C*]; C12N0005-02 [I,A];
 C12N0005-04 [I,C*]; C12N0005-04 [I,A]
 EXF 435/240.4; 435/240.54; 435/420; 435/430.1; 424/93.7; 424/1.3

=> d hist

(FILE 'HOME' ENTERED AT 13:19:07 ON 17 MAR 2008)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
 AQUASCI, AEONG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
 CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
 DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:19:24 ON 17 MAR 2008

SEA THAW?(W) PLANT CELL?

1 FILE BIOSIS
1 FILE BIOTECHABS
1 FILE BIOTECHDS
1 FILE CAPLUS
4 FILE IFIPAT
1 FILE PROMT
5 FILE USPATFULL
4 FILE WPIDS
4 FILE WPINDEX
L1 QUE THAW?(W) PLANT CELL?

FILE 'BIOSIS, BIOTECHDS, CAPLUS, IFIPAT, PROMT, USPATFULL' ENTERED AT
13:24:49 ON 17 MAR 2008

L2 13 S L1
L3 8 DUP REM L2 (5 DUPLICATES REMOVED)
L4 2 S L3 AND CRYOPROTECTANT?

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	37.04	43.10

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will change in 2009 for STN-Columbus and STN-Tokyo
NEWS 4 JAN 07 WPIDS, WPINDEX, and WPIX enhanced Japanese Patent
Classification Data
NEWS 5 FEB 02 Simultaneous left and right truncation (SLART) added
for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS 6 FEB 02 GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 7 FEB 06 Patent sequence location (PSL) data added to USGENE
NEWS 8 FEB 10 COMPENDEX reloaded and enhanced
NEWS 9 FEB 11 WTEXTILES reloaded and enhanced
NEWS 10 FEB 19 New patent-examiner citations in 300,000 CA/Caplus
patent records provide insights into related prior
art
NEWS 11 FEB 19 Increase the precision of your patent queries -- use

terms from the IPC Thesaurus, Version 2009.01

NEWS 12 FEB 23 Several formats for image display and print options discontinued in USPATFULL and USPAT2

NEWS 13 FEB 23 MEDLINE now offers more precise author group fields and 2009 MeSH terms

NEWS 14 FEB 23 TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms

NEWS 15 FEB 23 Three million new patent records blast AEROSPACE into STN patent clusters

NEWS 16 FEB 25 USGENE enhanced with patent family and legal status display data from INPADOCDB

NEWS 17 MAR 06 INPADOCDB and INPAFAMDB enhanced with new display formats

NEWS 18 MAR 11 EPFULL backfile enhanced with additional full-text applications and grants

NEWS 19 MAR 11 ESBIOBASE reloaded and enhanced

NEWS 20 MAR 20 CAS databases on STN enhanced with new super role for nanomaterial substances

NEWS 21 MAR 23 CA/Caplus enhanced with more than 250,000 patent equivalents from China

NEWS 22 MAR 30 IMPATENTS reloaded and enhanced

NEWS 23 APR 03 CAS coverage of exemplified prophetic substances enhanced

NEWS 24 APR 07 STN is raising the limits on saved answers

NEWS 25 APR 24 CA/Caplus now has more comprehensive patent assignee information

NEWS 26 APR 26 USPATFULL and USPAT2 enhanced with patent assignment/reassignment information

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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FILE 'HOME' ENTERED AT 18:10:12 ON 27 APR 2009

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.22	0.22

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 18:10:29 ON 27 APR 2009

68 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s cryopreserv?(p)plant(p)cell# and wash? and thaw? and heat? and
remov?(p)cryoprotect? and stabilizer

0* FILE ADISNEWS
0* FILE ANTE
0* FILE AQUALINE
0* FILE BIOENG
0* FILE BIOTECHABS
0* FILE BIOTECHDS
0* FILE BIOTECHNO

13 FILES SEARCHED...

0* FILE CEABA-VTB
0* FILE CIN

23 FILES SEARCHED...

0* FILE FOMAD
0* FILE FOREGE
0* FILE FROSTI
0* FILE FSTA
1 FILE IFIPAT
0* FILE KOSMET

43 FILES SEARCHED...

0* FILE NTIS
0* FILE NUTRACEUT
0* FILE PASCAL
0* FILE PHARMAML

58 FILES SEARCHED...

7 FILE USPATFULL
0* FILE WATER
2 FILE WPIDS

66 FILES SEARCHED...

2 FILE WPINDEX

4 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STINDEX

L1 QUE CRYOPRESERV?(P) PLANT(P) CELL# AND WASH? AND THAW? AND HEAT? AND REMOV
?(P) CRYOPROTECT? AND STABILIZER

=> file ifipat uspatfull

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
5.44	5.66

FULL ESTIMATED COST

FILE 'IFIPAT' ENTERED AT 18:15:12 ON 27 APR 2009
COPYRIGHT (C) 2009 IFI CLAIMS(R) Patent Services (IFI)

FILE 'USPATFULL' ENTERED AT 18:15:12 ON 27 APR 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l1

L2 8 L1

=> dup rem l2

PROCESSING COMPLETED FOR L2

L3 7 DUP REM L2 (1 DUPLICATE REMOVED)

=> d l3 1-7

L3 ANSWER 1 OF 7 USPATFULL on STN

AN 2009:31970 USPATFULL

TI Cryoprotective Compositions and Methods of Using Same

IN Gabbai, Eran, Kfar-MaAs, ISRAEL
 PA Do-Coop Technologies Ltd. (non-U.S. corporation)
 PI US 20090029340 A1 20090129
 AI US 2007-87429 A1 20070104 (12)
 WO 2007-IL13 20070104
 20080703 PCT 371 date
 PRAI US 2006-11324586 20060104
 US 2006-755850P 20060104 (60)
 US 2006-755852P 20060104 (60)
 US 2006-755851P 20060104 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 1645
 INCL INCLM: 435/013.000
 INCLS: 435/325.000; 435/374.000
 NCL NCLM: 435/001.300
 NCLS: 435/325.000; 435/374.000
 IC IPCI A01N0001-02 [I,A]; C12N0005-06 [I,A]; A01N0001-00 [I,A]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L3 ANSWER 2 OF 7 USPATFULL on STN
 AN 2006:250298 USPATFULL
 TI Compositions and methods for cryopreservation of peripheral blood lymphocytes
 IN Hubel, Allison, St. Paul, MN, UNITED STATES
 PA Regents of the University of Minnesota, Minneapolis, MN, UNITED STATES (U.S. corporation)
 PI US 7112576 B1 20060926
 AI US 1999-458862 19991210 (9)
 DT Utility
 FS GRANTED
 LN.CNT 1781
 INCL INCLM: 514/054.000
 NCL NCLM: 514/054.000
 IC IPCI A61K0031-70 [I,A]
 IPCR A61K0031-70 [I,C]; A61K0031-70 [I,A]; A01N0001-02 [I,C*]; A01N0001-02 [I,A]
 EXF 514/54
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L3 ANSWER 3 OF 7 IFIPAT COPYRIGHT 2009 IFI on STN DUPLICATE 1
 AN 10919968 IFIPAT;IFIUDB;IFICDB
 TI Cryopreservation of plant cells; Preparing recombinant plants cell for freeze drying via pretreatment of cells with cryoprotective and stabilizer agents; preserving bioreactors which produce therapeutic proteins
 IN Bare Christopher B; Kadekda Prakash G; Schnabel-Freikstas Barbara; Yu Bin
 PA Unassigned Or Assigned To Individual (68000)
 PPA Phyton Inc (Probable)
 PI US 20050158699 A1 20050721
 AI US 2004-871705 20040621
 RLI US 1999-307787 19990510 CONTINUATION PENDING
 US 1995-486204 19950607 CONTINUATION-IN-PART 5965438
 US 1997-780449 19970108 CONTINUATION-IN-PART 6753182
 US 2001-15939 20011217 CONTINUATION-IN-PART PENDING
 US 1995-486204 19950607 DIVISION 5965438
 US 1996-659997 19960607 DIVISION 6127181
 FI US 20050158699 20050721
 US 5965438
 US 6753182
 US 5965438
 US 6127181

DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
ED Entered STN: 25 Jul 2005
Last Updated on STN: 22 Jan 2008
CLMN 48
GI 8 Figure(s).
FIGS. 1(A, B and C) Schematics of various cryopreservation and recovery protocols.
FIG. 2 Biosynthetic pathways of ethylene production and points of inhibition.
FIG. 3 Procedure for cryopreservation of *Taxus* cells.
FIG. 4 Biomass increase in a *Taxus chinensis* suspension culture line K-1.
FIG. 5 Chromatograms of (A) cells cryopreserved for 6 months in comparison with (B) non-cryopreserved cells.
FIG. 6 Chromatograms of (A) cells cryopreserved for 6 months in comparison with (B) non-cryopreserved cells.
FIG. 7 Southern blot analysis of the genetic stability of cryopreserved cells.
FIG. 8 PCR analysis of the genetic stability of cryopreserved cells.

L3 ANSWER 4 OF 7 USPATFULL on STN
AN 2004:154442 USPATFULL
TI Cryopreservation of plant cells
IN Kadkade, Prakash G., Marlboro, MA, United States
Bare, Christopher B., San Francisco, CA, United States
Schnabel-Freikstas, Barbara, Ithaca, NY, United States
Yu, Bin, Ithaca, NY, United States
PA Phytion, Inc., Ithaca, NY, United States (U.S. corporation)
PI US 6753182 B1 20040622
AI US 1997-780449 19970108 (8)
RLI Division of Ser. No. US 1995-486204, filed on 7 Jun 1995, now patented, Pat. No. US 5965438
DT Utility
FS GRANTED
LN.CNT 1519
INCL INCLM: 435/420.000
INCLS: 435/260.000; 435/422.000; 435/430.000
NCL NCLM: 435/420.000
NCLS: 435/260.000; 435/422.000; 435/430.000
IC [7]
ICM C12N001-04
ICS C12N005-00; C12N005-02
IPCI C12N001-04 [ICM,7]; C12N005-00 [ICS,7]; C12N005-02 [ICS,7]
IPCR A01H0004-00 [I,C*]; A01H0004-00 [I,A]; A01N0003-00 [I,C*];
A01N0003-00 [I,A]; C12N005-02 [I,C*]; C12N005-02 [I,A];
C12N005-04 [I,C*]; C12N005-04 [I,A]
EXF 435/240.4; 435/240.54; 435/410; 435/420; 435/422; 435/430; 435/431;
435/67; 435/DIG.192; 435/FOR100; 435/FOR114; 435/FOR122

L3 ANSWER 5 OF 7 USPATFULL on STN
AN 2003:44688 USPATFULL
TI Cryopreservation of diverse plant cells
IN Kadkade, Prakash, Marlboro, MA, UNITED STATES
PI US 20030031998 A1 20030213
AI US 2001-15939 A1 20011217 (10)
RLI Continuation of Ser. No. US 1999-307787, filed on 10 May 1999, ABANDONED
Continuation of Ser. No. US 1996-659997, filed on 7 Jun 1996, GRANTED,
Pat. No. US 6127181 Continuation-in-part of Ser. No. US 1995-486204,
filed on 7 Jun 1995, GRANTED, Pat. No. US 5965438
DT Utility
FS APPLICATION

LN.CNT 2073
 INCL INCLM: 435/002.000
 INCLS: 435/419.000
 NCL NCLM: 435/002.000
 NCLS: 435/419.000
 IC [7]
 ICM A01N001-02
 ICS C12N005-04
 IPCI A01N0001-02 [ICM,7]; C12N0005-04 [ICS,7]
 IPCR A01N0001-02 [I,C*]; A01N0001-02 [I,A]; C12N0005-04 [I,C*];
 C12N0005-04 [I,A]
 L3 ANSWER 6 OF 7 USPATFULL on STN
 AN 2000:131653 USPATFULL
 TI Cryopreservation of plant cells
 IN Kadkade, Prakash G., Marlboro, MA, United States
 PA Phytion, Inc., Ithaca, NY, United States (U.S. corporation)
 PI US 6127181 20001003
 AI US 1996-659997 19960607 (8)
 RLI Continuation-in-part of Ser. No. US 1995-486204, filed on 7 Jun 1995
 DT Utility
 FS Granted
 LN.CNT 1955
 INCL INCLM: 435/420.000
 INCLS: 435/001.300; 435/430.100; 424/093.700
 NCL NCLM: 435/420.000
 NCLS: 424/093.700; 435/001.300; 435/430.100
 IC [7]
 ICM A01N063-00
 ICS A01N065-00; C12N005-04
 IPCI A01N0063-00 [ICM,7]; A01N0065-00 [ICS,7]; C12N0005-04 [ICS,7]
 IPCR A01N0003-00 [I,A]; A01N0003-00 [I,C*]
 EXF 435/1.3; 435/420-430.1; 424/93.7
 L3 ANSWER 7 OF 7 USPATFULL on STN
 AN 1999:124774 USPATFULL
 TI Cryopreservation of plant cells
 IN Kadkade, Prakash G., Marlboro, MA, United States
 Bare, Christopher B., San Francisco, CA, United States
 Schnabel-Preikstas, Barbara, Ithaca, NY, United States
 Yu, Bin, Ithaca, NY, United States
 PA Phytion, Inc., Ithaca, NY, United States (U.S. corporation)
 PI US 5965438 19991012
 AI US 1995-486204 19950607 (8)
 DT Utility
 FS Granted
 LN.CNT 1513
 INCL INCLM: 435/420.000
 INCLS: 424/093.700; 435/001.300; 435/430.100
 NCL NCLM: 435/420.000
 NCLS: 424/093.700; 435/001.300; 435/430.100
 IC [6]
 ICM A01N063-00
 ICS A01N065-00; C12N005-04
 IPCI A01N0063-00 [ICM,6]; A01N0065-00 [ICS,6]; C12N0005-04 [ICS,6]
 IPCR A01H0004-00 [I,C*]; A01H0004-00 [I,A]; A01N0003-00 [I,C*];
 A01N0003-00 [I,A]; C12N0005-02 [I,C*]; C12N0005-02 [I,A];
 C12N0005-04 [I,C*]; C12N0005-04 [I,A]
 EXF 435/240.4; 435/240.54; 435/420; 435/430.1; 424/93.7; 424/1.3

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L3 ANSWER 1 OF 7 USPATFULL on STN
AN 2009:31970 USPATFULL
TI Cryoprotective Compositions and Methods of Using Same
IN Gabbai, Eran, Kfar-MaAs, ISRAEL
PA Do-Coop Technologies Ltd. (non-U.S. corporation)
PI US 20090029340 A1 20090129
AI US 2007-87429 A1 20070104 (12)
WO 2007-IL13 20070104
20080703 PCT 371 date
PRAI US 2006-11324586 20060104
US 2006-755850P 20060104 (60)
US 2006-755852P 20060104 (60)
US 2006-755851P 20060104 (60)
DT Utility
FS APPLICATION
LN.CNT 1645
INCL INCLM: 435/013.000
INCLS: 435/325.000; 435/374.000
NCL NCLM: 435/001.300
NCLS: 435/325.000; 435/374.000
IC IPCI A01N0001-02 [I,A]; C12N0005-06 [I,A]; A01N0001-00 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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(FILE 'HOME' ENTERED AT 18:10:12 ON 27 APR 2009)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGO, EMBAL, EMBASE, ...' ENTERED AT 18:10:29 ON 27 APR 2009
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0* FILE FOREGE
0* FILE FROSTI
0* FILE FSTA
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0* FILE KOSMET
0* FILE NTIS
0* FILE NUTRACEUT
0* FILE PASCAL
0* FILE PHARMAML
7 FILE USPATFULL
0* FILE WATER

2 FILE WPIDS
2 FILE WPINDEX
L1 QUE CRYOPRESERV?(P) PLANT(P) CELL# AND WASH? AND THAW? AND HEAT

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L2 8 S L1
L3 7 DUP REM L2 (1 DUPLICATE REMOVED)

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

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FULL ESTIMATED COST

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19.21

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